



ISO 9917-1

**Dentistry — Water-based
cements —**

**Part 1:
Acid-base cements**

*Médecine bucco-dentaire — Ciments à base d'eau —
Partie 1: Ciments acido-basiques*

**Third edition
2025-05**

**Corrected version
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This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 1, *Filling and restorative materials*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 55, *Dentistry*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 9917-1:2007), which has been technically revised.

The main changes are as follows:

- change of the title;
- inclusion of pit and fissure sealing cements in the scope;
- adoption of ISO 13116 test method for radiopacity;
- adoption of table-type formatting of requirements of marking and information;
- addition of declaration of components;
- addition of Annex I.

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This corrected version of ISO 9917-1:2024 incorporates the following correction:

- the formula in [Clause D.3](#) has been corrected.

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This document specifies the requirements and test methods for cements in which setting is achieved by an acid-base reaction.

This document does not include specific qualitative and quantitative requirements for ensuring the absence of biological hazards. It is recommended that reference be made to ISO 10993-1 and ISO 7405 when assessing possible biological or toxicological hazards.